



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : **Confirmation No. 7026**
Mitsuaki OSHIMA et al. : Docket No. 2000_1329
Serial No. 09/672,947 : Group Art Unit 2634
Filed September 29, 2000 : Examiner A. Le
COMMUNICATION SYSTEM : **Mail Stop: AMENDMENT**

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AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THE COMMISSIONER IS AUTHORIZED
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Sir:

In response to the Office Action of February 4, 2004, the period for response to which having been extended by three months to August 4, 2004, please amend the above-identified U.S. patent application as follows:

IN THE CLAIMS

Please cancel claims 28-39 and add new claims 40-45 as follows.

40. A signal transmission apparatus comprising:
- a modulator operable to assign a data stream to a respective constellation in a vector space diagram to produce a modulated signal; and
- a transmitter operable to transmit the modulated signal;
wherein the data stream has descramble information for descrambling the modulated signal.
41. A signal receiving apparatus, comprising:
- a demodulator operable to demodulate a received signal to produce a data stream,

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